MIT's Oldest and Largest Newspaper



WEATHER, p. 2 Mostly Cloudy WED: 48°F | 41°F THU: 64°F 43°F Partly Cloudy

Volume 131, Number 19 tech.mit.edu Tuesday, April 12, 2011

REPORTER'S NOTEBOOK

MIT150 celebrated at Next Century Convocation Ceremony lineup featured Institute administrators, professors, and student music groups

By Anne Cai STAFF REPORTER

The 150th anniversary convocation of the signing of MIT's charter took place Sunday at the Boston Convention and Exhibition Center. It proceeded much like an MIT commencement ceremony, right down to the framing of the huge stage with imitation Killian Court

The size of MIT's extended family at the convocation numbered in the thousands, with a much larger representation of alumni than current students. Many alumni clubs in other parts of the world also attended gatherings to participate in the convocation via the event's live webcast.

A little-known Twitter account, #MIT150Convo, tweeted constant updates of this distinctly multimedia event designed to highlight MIT's unique characteristics.

Prior to the ceremony itself, attendees were engaged by MIT trivia and a timeline of the Institute's history. The Rambax MIT Senegalese Drum Ensemble accompanied the procession of the speakers, senior officers, deans, and members of the MIT Corporation and the Faculty. They were followed by Institute recipients of Marshall, Rhodes, and Truman scholarships, the Lincoln Laboratory Steering Committee, staff, alumni, and current student leaders. All participants in the procession dressed in full academic

Chairman of the MIT Corporation John S. Reed '61 was the first of the spectrum of speakers for the convocation, many of whom emphasized the Institute motto, mens et manus. President Susan J. Hockfield followed Reid's reflection with a call for the continuation of MIT's essential contributions to society for another 150 years, citing the Institute's unchanging "commit-

Convocation, Page 8



President Susan J. Hockfield holds an Apple iPad, used for its touch interface to sign a renewal of MIT's charter, flanked (from left) by Chairman of the MIT Corporation John S. Reed '61 and former Presidents Paul E. Gray '54 and Charles M. Vest at the MIT Next Century Convocation this past Sunday at the Boston Convention and Exhibition Center. See page 9 for more photos of the convocation.

Unconfirmed gunshots heard near Central

Shortly after 9:30 p.m. on April 2, Cambridge police officers reportedly heard gunshots in the vicinity of Pearl and Green Streets in Central Square. A search of the area revealed no evidence of gunshots.

According to an email from Cambridge Police Department Spokesman Dan Riviello, officers were assisting on a medical call on Green Street when they thought they heard gunshots. Patrol units responded, but a search of the area was negative — no evidence of the shots was found.

On March 12, one man was killed and another was injured in a shooting at the intersection of Brookline and Watson Streets, about four blocks away from the site of the reported shots on April 2. According to Riviello, since no gunshot evidence was discovered, the April 2 report is "unfounded and not connected to any ongoing investigations in Cambridge."

James Lauture, 30, of Cambridge was killed in the March 12 incident, according to a press release from the Middlesex District Attorney's office. According to the release, the shooting was not random. No arrests have been made, and the investigation is ongoing.

This was the first homicide in Cambridge since June 2009.

Sergeant Cheryl N. Vossmer of the Campus Police said in an email that MIT is located in an urban environment and shares many safety issues that other cities face.

"Community members should be vigilant while walking throughout campus and surrounding areas both during the day and at night and to take the appropriate precautions, such as walking with others and utilizing SafeRide," said

> –Ethan A. Solomon and Pearle Lipinski

Miliband speaks on East Asia Former UK Foreign Sec. attends Course 17 roundtable

By Rebecca Han

STAFF REPORTER

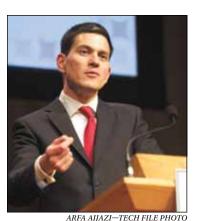
Former British Foreign Secretary David W. Miliband SM '90 kicked off a week-long visit to MIT with a oundtable discussion vesterday hosted by the Department of Political Science. Entitled "Contemporary East Asia," the discussion featured Course XVII Professors Taylor M. Fravel, Richard J. Samuels PhD '80, and Edward S. Steinfeld. Miliband will continue to meet with Institute faculty and students for the remainder of the week as part of his brief tenure as a Robert E. Wilhelm Fellow in Residence.

The last to speak at the discussion, Miliband contrasted his political role with that of his academic counterparts. "I deal with foreign states, but do not really study them," he said. His message was at once a summary, a warning, and what he called a "plea."

Adding to points made by Steinfeld and Samuels, Miliband commented on the duality of China's engagement in multilateral relationships. "They are proud of their ecodevelopment and ready to embrace multilateral [business] relationships," Miliband said. "On the foreign policy side, they take a much more skeptical, traditional approach ... they are wary of interdependency, and wary of interference."

Miliband also expressed his hope that close ties with the Western international community — even if initiated by economic concerns — would still seep into China's foreign policy. "The Chinese follow the U.S. very, very closely," he said. "The Sino-U.S. relationship is very important, and despite the president's visit to China, there are still fundamental issues di-

Miliband, Page 7



David W. Miliband SM '90, former British Secretary of State for Foreign and Commonwealth Affairs, visited MIT Monday and will be speaking on Afghanistan this Wednesday in 34-101 at 4 p.m.

Miliband also spoke on Afghanistan at his Compton Lecture last March, pictured in this Tech file photo.

UA holds hearing ahead of overhaul

Constitution up for vote Thurs.

By Pearle Lipinksi and Ethan A. Solomon

The Undergraduate Association (UA) held an open session yesterday evening to collect feedback and student input on a proposed student government restructuring. The Ad-Hoc Committee on the Implementation of Potential Restructuring (CIPR), which was created at the UA Senate meeting on April 4, met over the past week to hash out details on representation in a new UA Council and the transition process from the current UA structure. The Dormitory Council and the Senate are expected to vote on a measure to enact a new constitution — as recommended by CIPR — this

As recommended last week the first committee to consider UA President Vrajesh Y. Modi '11's

proposed governance overhaul, the Council will have 20 representatives: 12 dormitory presidents, four Interfraternity Council representatives (including the IFC President), two Panhellenic Association representatives (including the Panhel President), the Living Group Council speaker, and an elected off-campus representative.

If the new constitution is passed on Thursday, DormCon and the Senate will cease to exist, the Council will take over immediately after the UA President signs 42 UAS 14.2, the Bill to Unify the Undergraduate Student Voice at MIT. The proposed constitution is included under 14.2. The measure failed when put up to a vote at DormCon on April 3, garnering only 68 percent approval — seven points shy of the required 75 per-

UA Restructuring, Page 11

IN SHORT

The Solar Electric Vehicle Team is unveiling its latest car, the Chopper del Sol, in Lobby 13 today at 4 p.m. The car will race in the World Solar Challenge in Australia this October.

Rumors of a prefrosh's admission being rescinded due to an alcohol-related incident during Campus Preview Weekend have been confirmed as unfounded by Dean of Admissions Stuart Schmill '86.

Today marks the 50th anniversary of the first manned space flight. Soviet cosmonaut Yuri Gagarin entered space on this date in 1961.

Send news information and tips to news@tech.mit.edu.

DON'T LET FEAR DICTATE POLICY

When considering nuclear policy, don't listen to fear-mongers. OPINION, p. 4

CHAT WITH THE CHANCELLOR

Why come to MIT? Hear it from the chancellor. CAMPUS LIFE, p. 12

CPW TAKEAWAY: FREE FOOD

Instilling true MIT values in prefrosh. CAMPUS LIFE, p. 13



150 YEARS OF **HACKING**

Check out photos of some of the weekend's most memorable commemorative hacks. PHOTO, p. 7

WOMEN'S HOOPS IS BORING?

Hardly. This year's NCAA tourney was excitingly different. SPO, p. 16

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Japan now equates Fukushima accident with Chernobyl

TOKYO — Japan has decided to raise its assessment of the accident at the crippled Fukushima Daiichi nuclear power plant from 5 to the worst rating of 7 on an international scale, putting the disaster on par with the 1986 Chernobyl meltdown, the Japanese nuclear regulatory agency said on Tuesday.

According to the International Nuclear Event Scale, a level 7 nuclear accident involves "widespread health and environmental effects" and the "external release of a significant fraction of the reactor core inventory."

Japan's current assessment of the accident puts it at level 5 on the scale, the same level as the Three Mile Island accident in the United States in 1979. The level 7 assessment has been applied only to the disaster at Chernobyl in the former Soviet

The scale, which was developed by the International Atomic Energy Agency and countries that use nuclear energy, requires that the nuclear agency of the country where the accident occurs calculate a rating based on complicated criteria.

—Hiroko Tabuchi and Keith Bradsher, The New York Times

Student loan debt mounts, shifting graduates' options

Student loan debt outpaced credit card debt for the first time last year and is likely to top \$1 trillion this year as more students go to college and a growing share borrow money to

While many economists say student debt should be seen in a more favorable light, the rising loan bills nevertheless mean that many graduates will be paying them for a longer time.

"In the coming years, a lot of people will still be paying off their student loans when it's time for their kids to go to college," said Mark Kantrowitz, the publisher of FinAid.org and Fastweb. com, who has compiled the estimates of student debt, including federal and private loans.

Two-thirds of bachelor's degree recipients graduated with debt in 2008, compared with less than half in 1993. Last year, graduates who took out loans left college with an average of \$24,000 in debt. Default rates are rising, especially among those who attended for-profit colleges.

—Tamar Lewin, The New York Times

Washington mayor arrested for disorderly conduct in protest

WASHINGTON — Mayor Vincent C. Gray was arrested for disorderly conduct on Monday while protesting provisions of Friday night's budget deal in Congress, said Linda Wharton-Boyd, his spokeswoman.

Gray joined other city representatives, including Eleanor Holmes Norton, the District of Columbia's delegate in Congress, and city residents in a protest that blocked Constitution Avenue near the Hart Senate Office Building, his spokeswom-

Sgt. Kimberly Schneider of the Capitol Police said Gray was among 41 people arrested. Gray's daughter paid his \$50 bail, Wharton-Boyd said, and he was released from custody by

Demonstrators protested what residents and officials here say was a sacrifice of the city's interests in exchange for a budget deal. Democrats agreed to allow Republicans to revive a ban on the financing of abortion from local money and to impose a school voucher program that city officials say Washington does not need.

City officials, including Gray, had expressed outrage at the deal, which they called a sellout by Democrats who just two years ago helped the city remove the ban on abortion financing, which had been in place on and off since 1988.

–Sabrina Tavernise, The New York Times

Budget cuts raise doubt on course of recovery

By Binyamin Appelbaum

THE NEW YORK TIMES

WASHINGTON — The budget deal struck last week amounts to a bet by the Obama administration that the loss of \$38 billion in federal spending will not be the straw that breaks the back of a fragile economic recovery.

Economic conditions can determine the outcome of elections, and growth remains tepid and tentative just 18 months before voters decide if President Barack Obama gets a second term.

The proposed federal spending cuts, which were decided late Friday, do not amount to much by themselves - about 0.25 percent of annual domestic activity. But they join a growing list of minor problems impeding growth, economists said, including higher fuel prices and bad weather, Europe's creeping malaise, and the effects of the earthquake and tsunami in Japan.

The impact of those problems, combined with growing cuts in spending by federal, state, and local governments, has led some experts who had forecast that the economy would expand by more than 4 percent in 2011 to retreat toward a 3 percent growth rate. And it raises the question of how many more small cuts the president can afford.

Diane Swonk, chief economist at Mesirow Financial, a Chicago investment firm, said she had cut her forecast for 2011 to 3.3 percent, from 4.2 percent. And if growth falls below 3 percent, she said, "You're just running on a treadmill. You're not getting anywhere."

There are reasons for optimism. The Federal Reserve and private forecasters say that the economy's vital signs are getting steadily stronger. Factories are expanding production and people are buying more cars, leading forecasters like the firm Macroeconomic Advisors of St. Louis to predict that growth will accelerate after the first quarter.

Moreover, supporters of the cuts say that reduced government spending will stimulate economic growth, not dampen it - and that the president could be among the political

As the government spends less

it borrows less, and companies can borrow more. As the government collects less money in taxes, companies may increase spending and investment.

"This cut combined with other cuts in entitlement reform will give the economy and businesses and investors some positive news on the fiscal front in Washington," said Chris Edwards, director of tax policy studies at the Cato Institute, a libertarian think tank that favors even larger reductions in the federal spending.

There is also the potential that the budget deal will serve as a precedent for a broader deal on long-term spending. Economists say that such a deal would have immediate economic benefits, soothing the nerves of foreign investors who may be fretting about the government's ability to confront its problems.

"I think the cuts are perfectly digestible in the context of the current expansion," said Mark Zandi, chief economist of Moody's Analytics. "And if out of this process it appears that we've made a good step toward fiscal discipline ... then it could be a plus."

Vote on GOP plan for Medicare could shape 2012 races

By Carl Hulse and Jeff Zeleny

THE NEW YORK TIMES

WASHINGTON — Just four months into their new majority, House Republicans face a potentially defining Medicare vote this week that is sure to become a centerpiece of Democratic efforts to recapture the House in 2012 and spill into the presidential and Senate campaigns

Republicans acknowledge that the vote is risky, and party strategists have warned House leaders about the dangers, aides said. But Republicans are calculating that the political ground has shifted, making the public - concerned about the mounting national debt — receptive to proposals to rein in costs by reshaping the program

Newt Gingrich, a former House speaker exploring a bid for the Republican presidential nomination, said proposing a major overhaul of entitlement programs was not as politically fraught as it might have been a decade ago. But he said Republicans must be vigilant in defending their actions and mindful that Democrats were poised to attack.

"I think it is a dangerous political exercise," Gingrich said in an interview Monday. "This is not something that Republicans can afford to handle lightly."

Democrats are preparing to try to brand Republicans as proponents of dismantling the Medicare system if they vote for the party's budget, which advocates converting the program from one where the government is the insurer into one where the government subsidizes retirees in private insurance plans.

Republicans say that without such changes, Medicare will not be financially sustainable in the long run as the population ages and medical costs continue to rise.

The House is scheduled to vote on the Republican budget, developed by Rep. Paul D. Ryan, R-Wis., the chairman of the Budget Committee, by the end of the week. Rep. Steve Israel, the New York

Democrat leading his party's House campaign operation, called the budget vote "the moment of truth" for House Republicans in 14 Democratic-leaning districts that backed John Kerry for president in 2004 and 61 that went for Barack Obama in

"We are going to use the budget to prove to Americans that every time Republicans choose to protect oil company profits while privatizing Medicare for seniors, seniors will chose Democrats," Israel said.

He and other party strategists say they believe the Republican stance on Medicare could be particularly persuasive against incumbents in states like Florida, Illinois, Michigan, New York, Ohio, and Pennsylvania.

WEATHER

April showers

By Allison A. Wing

The weather gods cooperated with MIT this past weekend, providing sunny skies and warmth for CPW and the convocation celebrating MIT's 150th anniversary. Temperatures over the weekend were 5-10°F above normal, while yesterday's high of 72°F was only 6°F shy of the record high (78°F) and 18°F above the climatological value of 54°F. The weather the next few

days will be a bit less pleasstalled to our south will cause cloudy skies and the chance of scattered rain showers for tomorrow. The real action will be late tonight and tomorrow, as a coastal low impacts our

A plume of moisture off the Atlantic will provide plenty of rainfall, and we will also have some gusty winds. More seasonal temperatures and dry conditions will follow for Thursday and Friday.

Extended Forecast

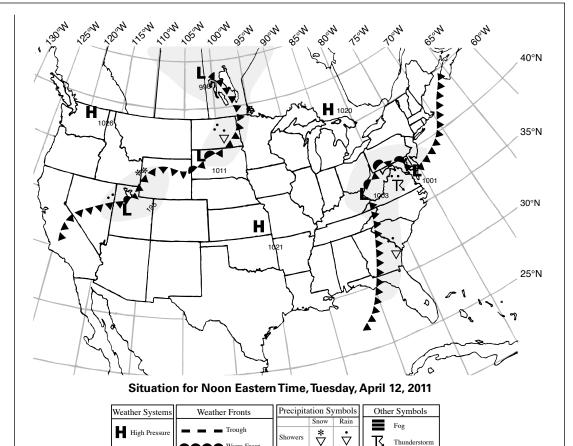
Today: Mostly cloudy with chance of showers. High 61°F (16°C). Winds from north at 8–12 mph.

Tonight: Rain late. Low 43°F (6°C). Winds from the east at 5-10 mph. Tomorrow: Rain. High 48°F (9°C). Low 41°F (5°C). Winds

from the northeast at 10–15 mph. Thursday: Partly cloudy. High 64°F (18°C). Low 43°F (6°C).

Winds from the west at 8-13 mph.

Friday: Partly cloudy. High 54°F (12°C). Low 40°F (4°C). Winds from the east at 8-13 mph.



Light

Moderate

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Thunderstorn

Compiled by MIT Meteorology Staff

and The Tech

Blast kills at least 11 at subway station in Belarus capital

By Clifford J. Levy and Michael Schwirtz

THE NEW YORK TIMES

MOSCOW — An explosion believed to have been caused by a bomb ripped through a subway station next to the office of Belarus' authoritarian president on Monday evening, killing at least 11 people, wounding more than 100, and worsening an already tense political situation there.

No one immediately claimed responsibility for the explosion in Minsk, the Belarus capital, but witnesses described being hit by a wave of shrapnel that they said was contained in a bomb. Several victims' limbs were torn off by the force of the blast, paramedics said.

The president, Aleksandr G. Lukashenko, indicated that he believed the explosion was terrorism. Prosecutors said an inquiry was focusing on a bomb.

Investigators and witnesses said the blast occurred on a platform just as passengers were leaving a train in the Oktyabrskaya station about 6 p.m., at the height of the evening rush. The station, in the center of Minsk, is very close to major government offices, including Lukashenko's, as well as to his official residence.

While Muslim separatists from southern Russia have carried out suicide bombings in Moscow's subway system, including one last year, they have never done so in Minsk. Belarus, a former Soviet republic with a population of 10 million, does not have a Muslim insurgency, and Lukashenko, who has tightly controlled the country since 1994, has portrayed himself as a stabilizing force.

But Belarus has faced political turmoil since Lukashenko's re-election in December, which was denounced by his rivals as rigged. When opposition parties conducted a major protest on election night, the security services responded with a far-reaching crackdown, sending the riot police to break it up violently and arresting hundreds of people.

Several presidential candidates were detained for weeks.

Dozens of opposition activists,

including at least one presidential candidate, are still in custody and have been threatened with up to 15 years in prison for organizing the postelection rally. Lukashenko has accused the opposition of plotting a coup with aid from Western governments — charges European and U.S. officials have called absurd.

The powerful security services, still called the KGB in Belarus, a vestige of the Soviet era, had been on heightened alert before the blast because of the political strains. Journalists and opposition figures were still being detained and interrogated, rights groups said.

The opposition to Lukashenko was largely peaceful before and after the election, but there have been unexplained bombings in recent years. In 2008, a bomb exploded in a Minsk park, wounding dozens of people during an Independence Day festival. The authorities never determined a motive.

In the city of Vitebsk, near the northeastern Russian border, two blasts in 2005 left about four dozen wounded

Level 3 pays \$3 billion for Internet service provider Global Crossing

By Evelyn M. Rusli
THE NEW YORK TIMES

More than a decade after the dot-com bust, two fallen Internet stars hope to regain some of their glory with a \$3 billion deal that could prompt similar transactions.

On Monday, Level 3 Communications announced that it would buy the Internet service provider Global Crossing for \$23.04 a share—a 56 percent premium to the stock's closing price Friday, before the acquisition was announced. As part of the deal, Level 3 will also assume \$1.1 billion of debt.

With the acquisition, Level 3 will expand its network in fast-growing markets like Latin America and potentially improve its balance sheet by cutting overall costs. It is also an important test for the industry, which has been plagued for years by overcapacity and weak pricing

"This is the start of consolidation," said Donna Jaegers, an analyst with the research company D.A. Davidson. "It's not enough to firm up pricing overnight, but it's a step in the right direction."

Level 3 and Global Crossing, once high-flying network operators, have floundered since 2000. Global Crossing filed for bankruptcy in 2002, then re-emerged two years later with a new backer — Singapore Technologies Telemedia, which now owns about 60 percent of the company. While Level 3 avoided a similar fate with a cash infusion from Warren E. Buffett's holding company Berkshire Hathaway, it has also struggled to increase revenue and maintain profitability.

Last year, losses at Level 3 hit \$622 million and at Global Crossing \$176 million. As profits have eroded, Level 3's financial situation has become more precarious; its debt was \$6 billion in December.

From a network standpoint, the combined company, which would own thousands of miles of fiber optic cables across 70 countries, would be a telecommunications giant. Level 3 is strong in North America and Europe, while Global Crossing has a robust presence in Latin America. Global Crossing's enterprise contacts will help Level 3 increase its client base, which includes major telecommunications, cable, and Internet businesses.

"This will be a company with modern Internet infrastructure, across three different continents, connected by undersea cables that we control," James Q. Crowe, chief executive of Level 3, said in a telephone interview Monday.

Perhaps more important, the deal would give Level 3 a chance to improve its financial picture.

Crowe said the potential cost savings could total \$2.5 billion, with \$200 million in the first 18 months.

With stronger cash flow, analysts figure Level 3 could refinance its debt to cut its interest rates between \$100 million and \$200 million a year.

Former leader's arrest in Ivory Coast ends four-month deadly standoff

By Adam Nossiter, Scott Sayare, and Dan Bilefsky

THE NEW YORK TIMES

ABIDJAN, Ivory Coast — The strongman of Ivory Coast, Laurent Gbagbo, was captured and taken into custody by his rival Monday, ending a four-month standoff that left hundreds dead in this onceprosperous West African nation, put international diplomacy to a severe test, and ultimately dragged the country back into civil war.

With French helicopters hovering in the skies nearby, Gbagbo surrendered to his rival's forces as they stormed his residence, sending his chief of staff outside to signal his defeat.

"The fighting is over," Gbagbo said on his rival's television station after his arrest. "So he went out with a white handkerchief. The fighting is over."

For months, African diplomats and heads of state had shuttled

back and forth to Abidjan, pleading with Gbagbo to step down after losing a presidential election last year. The United Nations, the United States, and the European Union demanded his resignation, imposing severe economic sanctions that crippled the economy — but failed to push Gbagbo from power.

Instead, it took devastating airstrikes by French and U.N. helicopters to help end Gbagbo's gamble to defy the international community, fight off his rival, Alassane Ouattara, and extend his rule.

On Sunday night and into Monday morning, the helicopters pounded the presidential offices and the palatial residence where Gbagbo had been holed up with his wife underground for days, firing missile blasts that were officially aimed at destroying the heavy weapons outside, but also reduced parts of Gbagbo's last redoubts to

smoking rubble. U.N. and French officials, wary of being seen as exceeding their mandate by enforcing regime change, insisted that their actions were solely intended to protect civilians, entirely independent of the final push to capture Gbagbo by his rival's forces.

"There was not one single French soldier in the residence," said Cmdr. Frederic Daguillon, a French military spokesman in Abidjan.

But they readily acknowledged that the international strikes had broken Gbagbo's defenses, leaving him open to capture.

Alain Le Roy, head of the U.N. peacekeeping operations, said the strike on Gbagbo's heavy weapons may have helped clear the way for Gbagbo's rivals to storm the residence. But he stressed that there had been no coordination between U.N. forces and those of Ouattara's and that the United Nations' aim had been wholly geared toward protecting civilians.

Syrian university protests draw violent suppression

Pro-democracy protests in Syria spread for the first time to a university campus and were violently suppressed on Monday, a day after the government of President Bashar Assad acknowledged that it was using force against protesters.

The admission came in a statement from Syria's Interior Ministry that was published Sunday by SANA, Syria's official news agency.

Human rights advocates say nearly 200 protesters have been killed since demonstrations began against Assad's authoritarian government in mid-March. Until the new statement, the Assad government had insisted that the deaths were caused by foreign infiltrators bent on destabilizing Syria.

"In recent weeks, groups of citizens gathered in demonstrations in several areas in Syria, particularly on Fridays, making a number of demands that were met with immediate response from the leadership," the statement said.

Certain "spiteful individuals," the statement continued, nevertheless burned government buildings, killed or wounded state security officers, and tried to sow distrust.

-Katherine Zoepf, The New York Times

Pakistan pushes for drastic cuts in CIA activities

ISLAMABAD, Pakistan — Pakistan has demanded that the United States steeply reduce the number of CIA operatives and Special Operations forces working in Pakistan, and that it put on hold CIA drone strikes aimed at militants in northwest Pakistan. The request was a sign of the near collapse of cooperation between the two tests allies

Pakistani and U.S. officials said in interviews that the demand that the United States scale back its presence was the immediate fallout from the arrest in Pakistan of Raymond A. Davis, a CIA security officer who killed two men in January during what he said was an attempt to rob him.

In all, about 335 U.S. personnel — CIA officers and contractors and Special Operations forces — were being asked to leave the country, said a Pakistani official closely involved in the decision.

It was not clear how many CIA personnel that would leave behind; the total number in Pakistan has not been disclosed. But the cuts demanded by the Pakistanis amounted to 25 to 40 percent of U.S. Special Operations forces in the country, the officials said. The number also included the removal of all the U.S. contractors used by the CIA in Pakistan.

—Jane Perlez and Ismail Khan, The New York Times

Ninth circuit court rules against Arizona immigration law

PHOENIX — The U.S. Court of Appeals for the Ninth Circuit ruled against the state of Arizona on Monday and let stand a lower court decision blocking the most contentious parts of the state's immigration law from going into effect.

The decision calling the provisions unconstitutional was a victory for the Obama administration, which argued that the law interfered with the federal government's authority over immigration. Two judges ruled against Arizona, and one partially dissented from them.

Last July, just days before the law was to take effect, Judge Susan Bolton of Federal District Court issued an injunction blocking parts of it. Gov. Jan Brewer, a Republican who supports the crackdown on immigrants, filed an appeal seeking to have the injunction lifted.

After the appeals court rejected the state's request Monday and issued a lengthy decision indicating that it believed the state had overstepped its authority, state Sen. Russell K. Pearce, a Republican who is the principal sponsor of the law, remained defiant, saying the issue would ultimately be decided by the Supreme Court.

"This battle is a battle of epic proportions," Pearce said in a statement suggesting he was not surprised by the ruling. "It is about a state's right to enforce the laws of this land and protect its citizens from those who break our laws."

. —Marc Lacey, The New York Times

Italy lashes out at European Union over immigrants

ROME — Tensions rose between Italy and its EU partners on Monday over how to handle an influx of immigrants from North Africa, prompting the Italian interior minister to question the utility of the EU.

At a meeting in Luxembourg on Monday, EU interior ministers said they would not recognize the temporary permits that Italy had said it planned to issue to scores of immigrants who have arrived since January. The permits were intended to allow them free travel within Europe.

But Europe is divided over whether the permits would be valid in the entire visa-free Schengen area, which covers most of Western Europe, and on Monday, France and Germany rejected Italy's plan.

"If this is the answer, it is better to be alone than in bad company," Italy's interior minister, Roberto Maroni, said. "I wonder if it makes sense to stay in the European Union."

Maroni, who is a member of the Northern League, a party known for its strong anti-immigrant stance, has been vociferously critical of the EU, accusing it of "abandoning" Italy. But it would be highly unlikely for Italy to act on any such threat to leave the

On Monday, Maroni called the EU "an institution that acted immediately to save banks and declare war, but when it comes to give solidarity to a country in difficulty like Italy, it is nowhere to be found."

Italy had been calling on its fellow EU members to help share the burden of receiving the more than 22,000 immigrants who have arrived in Italy since January, the majority of them "economic migrants" from Tunisia seeking work in France and elsewhere in Europe

-Rachel Donadio, The New York Times



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GUEST COLUMN

Crises are not opportunities

Nuclear policy should respond to sound science, not political whims

By Mark Reed

The nuclear crisis in Japan is severe. A reactor core has partially melted, chemical explosions have breached the containment, and radiation has been released into the atmosphere and ocean. Of course, this is a direct consequence of a catastrophic natural disaster of historic, unprecedented proportions. The earthquake and tsunami have utterly devastated Japan, and the magnitude of the total ruin will unfortunately dwarf that of the nuclear component.

Nevertheless, as grave as these circumstances are, it is not the physical disaster that is my principal worry. I don't fear nuclear meltdowns. I don't fear any sort of chemical explosions. I don't even fear widespread radiation sickness, especially not anywhere beyond Japan. The only thing I really fear, if you will excuse a platitude, is fear itself

You probably recognize this as a reference to Franklin Roosevelt's timeless words: "The only thing we have to fear is fear itself." The antithesis of this platitude is another that has permeated U.S. political dialogue throughout the past decade: "Never let a crisis go to waste." The implication of the latter is that for people in power, crises such as this represent rare and precious opportunities to achieve political objectives. In the wake of crises and amidst ensuing media frenzies, there is a dangerous propensity for governments to make rash decisions with respect to long-term policy. People are myopic by nature — they tend to lose sight of important long-term goals in favor of whatever peril seems to loom large at the moment.

Although President Obama has displayed his characteristic calm steadiness in affirming his support for increased nuclear energy in the U.S., other nations have succumbed to transitory public fear. Germany has shut down many of its oldest reactors. Italy has instituted a one-year moratorium on the construction of new reactors. China has indefinitely suspended all new reactor approvals. Israeli officials have stated that their nation must rethink its plans to pursue commercial nuclear energy. These decisions were all made less than two weeks after the earthquake, while the crisis was still unfolding and before anyone had time to ascertain — much less digest — what was really happening.

For people in power, crises such as this represent rare and precious opportunities to achieve political objectives.

Evidently, people saw opportunities.

Nuclear energy is especially vulnerable to this sort of opportunism, as the word "nuclear" tends to incite an especially feverish reaction in the media as well as the general public. Hollywood-esque memes related to radioactive contamination and weapons proliferation have stoked up widespread fear of the word "nuclear." This fear, which can exist only within a void of accurate scientific information, has led to a great irony: that many environmentalists — those who

care most about a clean energy future — oppose nuclear energy, an essential means to achieve that future. Every unbiased quantitative study of future U.S. energy resources has concluded that we cannot meet our carbon emissions goals without a substantial expansion of nuclear energy. The numbers just don't add up any other way. Tragically, this fear of a word, nothing more than fear itself, has made foes of should-be friends.

Energy policy must not be fickle; it must be steady. Crises often require quick decisions with respect to short-term policy in order to minimize damage and provide aid. What crises never require, however, are quick decisions with respect to long-term policy. Short-term policy should be based on short-term demands, while long-term policy should be based on long-term demands. It really is that simple. Some might argue that crises, which constitute shortterm demands, can sometimes indicate long-term demands. This is true, but determining whether a crisis is an indicator or a fluke takes time. Let us not squander our energy security without ample time and careful reflection. We must root our energy policy in science, not fear.

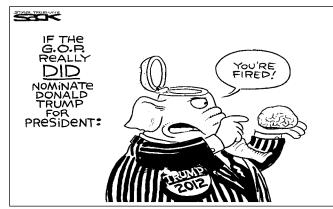
We scientists and engineers urge all lawmakers of the world to remain stead-fast amidst public fear and the clamor of its mongers, the opportunists. The great challenge of statesmanship is to weather the whims and vicissitudes of daily politics while remaining focused on the much longer arc of sound public policy. Lawmakers of the world, we hope you will rise to that challenge.

Mark Reed '09 is a PhD pre-candidate in Nuclear Science and Engineering.









CORRECTIONS

Last Friday's spread on MIT dormitories omitted photographer attributions. Greg Steinbrecher, Jessica L. Wass, Jessica Liu, Jeremy E. Deguzman, Yuanyu Chen, Vivek Dasari, Nicholas Chornay, and Jaswanth Madhavan contributed photography.

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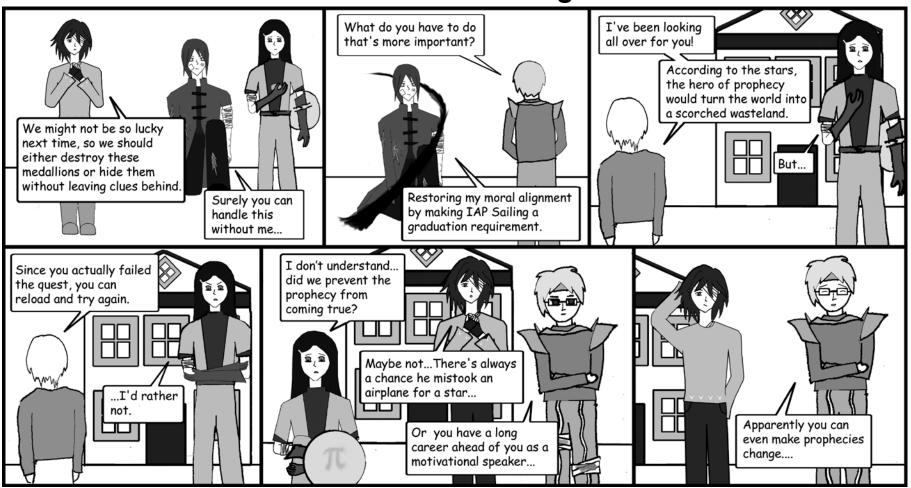
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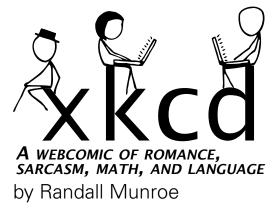
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Somewhere on the Search for Meaning... by Letitia Li



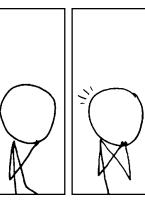
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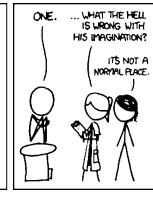












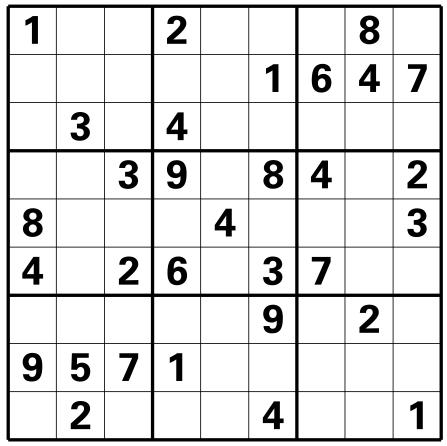
If it were two or above I wouldn't be able to answer because it would mean a pause in the screaming.

Dilbert by Scott Adams



Sudoku

Solution, page 7





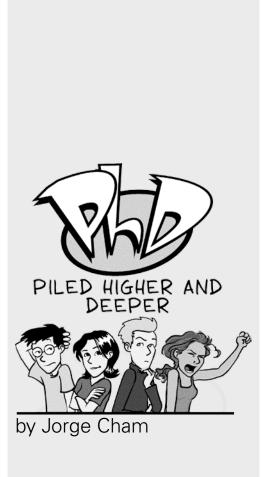
Techdoku

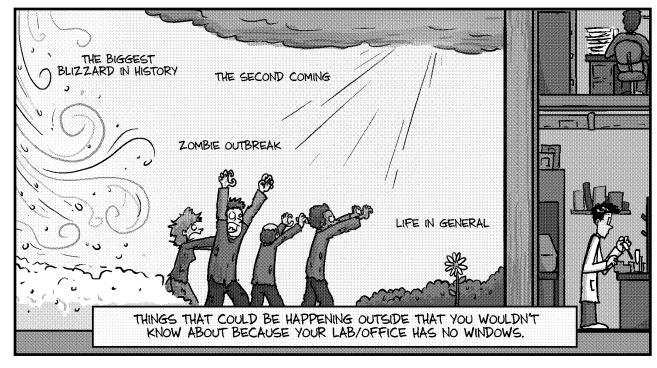
Solution, page 7

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Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.





Married (or Domestic Partner)

With Kids

Likelihood of stopping out of the Ph.D.:

More likely to stay in Ph.D. Program (odds of stopping = 0.655)

Less likely to stay in Ph.D. Program (odds of stopping = 1.641)

Average time to finish Ph.D.:

Shorter time to graduate (approx. 4 mo. shorter) Longer time to graduate

(approx. 5 mo. longer)

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So if my self-tanning lotion turns me orange and I look like an oompa loompa, will you still be my friend

I think you should make sure that

happen.

Crossword Puzzle

Solution, page 7

ACROSS

- 1 Syrian president
- 6 1/2 fl. oz.
- 10 Copacetic
- 14 Absolut alternative, briefly
- 15 Caramel-filled candy
- 16 Fail to include
- 17 Hawk's hook
- 18 Reason to cram
- 19 Kentucky Derby entrant
- 20 Start of an investor's quip
- 23 Firefighting aid 24 Turndowns
- 25 Pleasing breeze
- 29 Asian inland sea
- 31 Butcher's units: Abbr.
- 34 Gallic she 35 Appointment
- 37 Words on a desk box
- 39 Quip, part 2 41 Quip, part 3
- 43 Dentist's request 44 Pool table boundary
- 46 Sensible
- 47 One way to get directions
- 48 "Serpico" author Peter
- 50 Good-sized chamber

- ensembles
- 52 45 or 78: Abbr.
- 53 Elmer Fudd, for one
- 55 End of the quip
- 63 Western team that beat the Crimson Tide in the
- 2009 Sugar Bowl 64 Source of a suit
- 65 "Chestnuts roasting ..."
- co-writer
- 66 Fill fully
- 67 20th century basso Pinza
- 68 Cyberletters
- 69 If's partner, in logic
- 70 Quantum ___
- 71 Weasellike mammal

DOWN

- 1 Piedmont wine region
- 2 Attempt
- 3 With no help
- 4 Any of three baseball brothers
- 5 Lifeboat, perhaps
- 6 Old waste allowances
- 7 Premium opera house spot
- 8 Blind part

- 9 College in Claremont,
- California 10 Athletic types
- 11 Mine, in Metz
- 12 Ceramics baker
- 13 Place whom Sundance liked
- 21 Golden __: Mongol invaders
- 22 Baby's ailment
- 25 Striped equine
- 26 Perry of fashion
- 27 Big board
- 28 Coop moms
- 30 Get a new mortgage on, briefly
- 31 Certain NCO, slangily
- 32 Pop
- 33 Eyelid maladies
- 36 Gillette Mach3 predecessor
- 38 Food-minus-pkg. measure
- 40 Neat and trim
- 42 Standoffish
- 45 Oregon city near the mouth of the Columbia
- 49 Dutch brew
- 43
 - 51 Bills with
 - Franklin on them 52 Up from bed
 - 54 Leading the league
 - 55 Narc's arrest
- 56 Westernmost D-Day beachhead
- 57 Chapeau's perch
- 58 Move like sludge
- 59 __ Linda: San Bernardino suburb
- 60 Far from flashy
- 61 Jannings of old movies
- 62 Take out, editorially

TUESDAY, APRIL 12, 2011 THE TECH 7

JASMINE FLORENTINE-THE TECH

In 2007, hackers covered the campus in giant board games, including Scrabble, Settlers of Catan, and Chess. As part of this CPW's hacking tribute to MIT's 150th anniversary, hackers put a table in the money lounge with regular-size board games — but all with an MIT twist.



JASMINE FLORENTINE—THE TECH

Hackers celebrated MIT's 150th anniversary by putting up a banner on 77 Massachusetts Ave. early Friday morning, replacing "Inventional Wisdom" with "Inventional Hacking."



YUANYU CHEN—THE TECH

Hackers, to commemorate last year's "Inverted Lounge" CPW hack, installed a "Verted Lounge" on the side of the Media Lab arch. Last year's lounge was tied around a classy theme, complete with pool table, leather chairs, a sleeping cat, and a working lamp fixture. This year, the hackers appear to have moved to a beach, with a beach chair, a sandcastle-esque Dome, a beach towel, and a special reprise from the sleeping cat.

Solution to Techdoku

nom page 5									
4	2	5	3	6	1				
2	6	3	1	4	5				
3	1	4	2	5	6				
1	5	2	6	3	4				
6	4	1	5	2	3				
5	3	6	4	1	2				

Solution to Crossword

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ı	В	0	υ	G	Н	Т	S	Т	0	С	K	1	N	Α
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Α	s	Κ		М	Α	Α	s		0	С	T	Е	T	s
			R	Р	М		T	0	0	N				
В	U	T	-	Т	s	0	0	N	F	0	L	D	Ε	D
U	T	Е	s		Т	0	R	Т		Т	0	R	М	Ε
s	A	Т	Е		Е	Z	I	0		Е	М	Α	1	L
т	н	F	N		Т	F	Δ	Р		S	Δ	В	Т	F

Solution to Sudoku

1	9	4	2	6	7	3	8	5
2	8	5	3	9	1	6	4	7
7	3	6	3 4	8	5	2	1	9
5	7	3	9	1	8	4	6	2
8	6	9	7	4	2	1	5	3
4	1	2	7 6	5	3	7	9	8
3	4	1	8	7	9	5	2	6
9	5	7	1	2		8	3	4
6	2	8	5	3	4	9	7	1

US priorities key to position of West Miliband: urgency in new climate

Miliband, from Page 1

viding China and the U.S. that have not been resolved."

With his experience as a British Foreign Secretary from 2007 to 2010, Miliband urged the U.S. to reevaluate its priorities. "How the U.S. plays its cards right now is absolutely key," he said. "The U.S. needs to ask itself how it wants to see the next 10 years — if it wants to be an agenda-setter for the world, or if [it wants] to sort out [its] own issues ... education, unions, whatever it is."

But there was a sense of urgency in Miliband's encouragement: "I say this because this might be the last decade for the West to see itself as an agenda-setter; America needs to recognize its power and its ability to set the global agenda."

Miliband's remarks were preceded by commentary by Steinfeld, Samuels, and Fravel about Japanese and Chinese policy.

Steinfeld recalled the recent April 3 arrest of Ai Weiwei, a Chinese artist who was detained because of his political and social activism — though the official reason was "economic crimes." Steinfeld discussed what he perceived as China's "de-politicization," saying the relationship between politics and daily life has changed. He said crackdowns used to be everybody's business, as citizens who opted not to participate in politics risked losing their jobs, houses, marriage rights, and control of their lives.

"Now, a crackdown is nobody's business in China; people don't get worked up about crackdowns any more," Steinfeld said.

While he acknowledges peoples' indifference, Steinfeld does not believe the implications are necessarily negative. "China, as a political-economical entity, has a deep integration with the global community through the basic act of production," he noted. "The state and society are struggling to keep up with global demand, on one hand, and the state also struggles to keep up with demands of a social or public image."

Fravel examined China's military, echoing Steinfeld's sentiments about China's increasing awareness of its global image. "Its trajectory as a military power is rising," said Fravel. He noted that Chinese military advancements and attacks would be viewed as threatening by neighboring Asian states. "There is a spiral of tension growing, and the next few years will be very important."

Samuels turned to Japan, putting last month's earthquake in historical perspective, recalling how facets of Japanese society benefited during previous natural disasters. "The [Democratic Party of Japan], the economy of Japan itself, the military, the alliance [between Japan and the U.S.], the Sino-Japanese relationship, and more abstractly, the Japanese national identity are all beneficiaries," Samuels said.

Samuels felt that, like China, Japan could benefit from greater integration with the West. "There has been a malaise in the last twenty years, as the Japanese watched China rush past and they found they were the third power in the world ... not even," said Samuels. "After this deep emotional scarring, there is potential for the configuration of a new generation, in which the youth will be energized to rebuild with unseen dedication and focus."

Miliband's visit coincides with the 60th anniversary of the Center for International Studies.

Miliband will be giving a public lecture entitled "Afghanistan: Mending It Not Just Ending It" at 4 p.m. on Wednesday in room 34-101.



ETHAN A. SOLOMON-THE TECH Nearly 1,200 prefrosh descended upon MIT last weekend for Campus Preview Weekend. The weekend was packed with events like the Academic Expo, Activities Midway, sumo-wrestling, and liquid nitrogen ice cream.

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Mending It Not Just Ending It

Wed, April 13, 2011, 4:00 PM MIT Bldg 34-101 | 50 Vassar St, Cambridge

Please join us for a public lecture that jointly celebrates MIT's 150th anniversary and the Center's 60th anniversary.

The guest speaker is a prominent alumnus of MIT:

David Miliband

Foreign Secretary, United Kingdom (2007-2010)



Rt Hon David Miliband MP, the Foreign Secretary for the United Kingdom from 2007 to 2010, is joining CIS as a Robert E. Wilhelm Fellow in residence from April 11 through 15, 2011. During his week at MIT, he will meet with faculty and students across the institute who share his interest in international affairs and global environmental issues. Miliband is a graduate of Oxford University and MIT.



Massachusetts Institute of

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Looking to future

Sunday sets tone for next 150 years

Convocation, from Page 1

ment to meritocracy and hard work" throughout its history.

Tenth U.S. Archivist and former MIT Libraries Director David S. Ferriero spoke about restoring the original library of MIT founder William Barton Rogers. Ferriero also remarked that "inventing the future is easy at [MIT]," a sentiment that Institute Professor and Nobel Laureate Phillip Sharp corroborated in his speech, saying that "the mission of MIT is to create the future."

Institute Professor Sheila E. Widnall '61, who served as U.S. Secretary of the Air Force from 1993 to 1997, followed with yet another perspective of the Institute. As a woman and a self-termed "child of MIT," Sharp related her unique experience flying in a U-2 plane. "Unless there are any astronauts in the audience, I've been higher than any of you here today,"

Phillip L. Clay PhD '75, senior advisor to the President and former MIT chancellor, attested to the Institute's role as a meritocracy. He recalled MIT's long-lasting and adaptable relevance, noting the priority of talent over legacy and the ability of Institute goals to change with the needs of society. Clay provided yet another social dimension to MIT's history, juxtaposing his path and that of Robert R. Taylor, MIT's first African-American student.

Professor of Management Lotte Bailyn's speech elaborated on the social development of MIT, saying that between her first visit and today, the number of female faculty has grown from a single woman to 21 percent of the faculty.

Institute Professor Robert S. Langer ScD '74 recounted how he attempted to use his chemical engineering knowledge to help people through drug delivery instead of accepting one of the many jobs oil companies offered him. His story brought an MIT taste to the

age-old lesson of daring to do the seemingly impossible, as he recalled multiple his ignored letters before he achieved success. "People will tell you that it's impossible, that it will not work," Langer said. "It's rarely true; there is very little that is truly impossible."

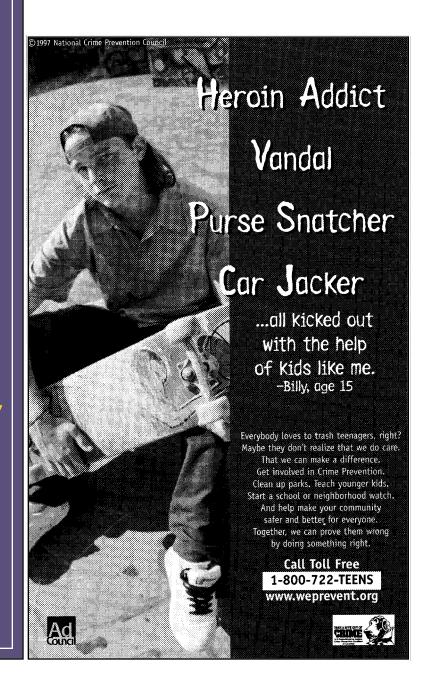
Interspersed between the speeches were original compositions by MIT professors Charles Shadle, Elena Ruehr, Keeril Makan, Mark S. Harvey, and Peter B. Child commissioned specifically for the convocation and performed by a conglomeration of MIT ensembles. Among the musical groups present were MIT's Rambax Senegalese Drum Ensemble, Symphony Orchestra, Chamber Chorus, Concert Choir, Wind Ensemble, Festival Jazz Ensemble, and Jazz Choir.

The most pivotal moment of the afternoon, the re-signing of MIT's charter, was also among the most lighthearted; signers amusingly struggled to commit their flourished signatures to the screen of an iPad with a quill stylus. Upon finishing his signature, Undergraduate Association President Vrajesh Y. Modi '11 displayed the iPad document to the crowd in a Lion King-like fashion. The iPad signing received mixed responses, especially considering Ferriero's remarks in his keynote address about William Barton Rogers fighting to preserve the Declaration of Independence in its original form

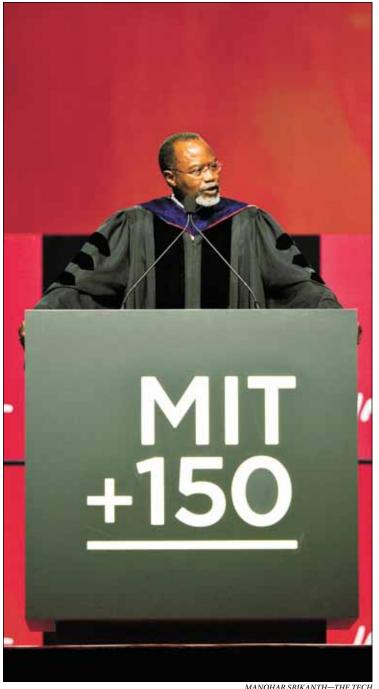
The convocation closed with a jazz rendition of MIT's alma mater, starting with the MIT Jazz Choir and growing into a unified singing of the masses in attendance.

The MIT150 Convocation served to demonstrate the spirit of MIT today, as well as to reflect upon its past. But the broader, more important theme was how MIT will progress in the future from its foundation.

"We have a responsibility to turn our founder's tools to the tasks of today," Hockfield said.



THE TECH 9 TUESDAY, APRIL 12, 2011



MANOHAR SRIKANTH—THE TECH Former Chancellor Phillip L. Clay PhD '75 speaks at the MIT Next Century Convocation.



Undergraduate Association President Vrajesh Y. Modi '11, holds up the iPad used to sign a recommitment to MIT's charter at the MIT Next Century Convocation this past Sunday at the Boston Convention and Exhibition Center.





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10 THE TECH TUESDAY, APRIL 12, 2011

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MIT hackers lit up banners labeled "hack," "punt," and "tool" and spelled out "150" with the room lights of the Green Building early Friday morning.

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Early registrants are automatically entered into a \$70 Amazon gift card raffle.











THE TECH 11

UA advances plan Ad hoc committee weighs options

UA Restructuring, from Page 1

cent of dormitory votes required to pass. Some dorm presidents and residents felt more communication between the UA, DormCon, students, and the administration was necessary before making important changes.

Next House President and UA Vice President-elect Alec C. Lai '13 said that he felt most of the questions raised about the original proposal and its implementation have been addressed, and that his dorm may vote to approve it this week. Next voted 91 percent against the proposal on April 3.

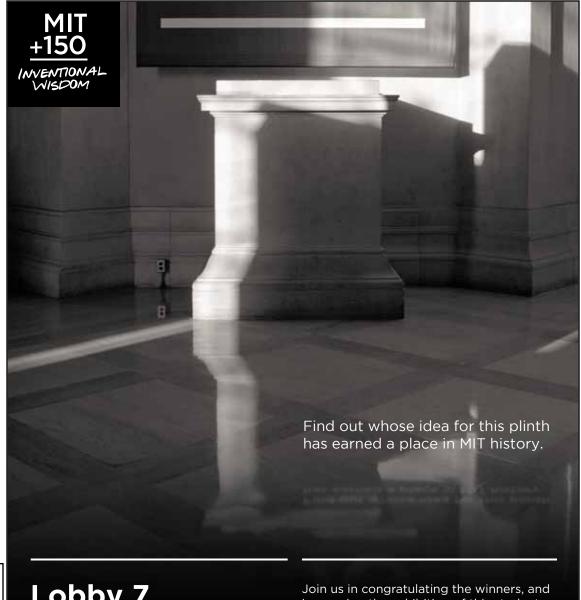
According to Rachel E. Meyer '10, CIPR chair and current off-campus senator, the transition to the new system will be eased by allowing current dorm presidents to appoint proxies to attend Council meetings in their place, since current dorm presidents were not elected with the expectation of serving on that body. IFC and Panhel will select their additional representatives through election processes internal to those organizations, and the current UA off-campus senator will become the new Council off-campus representative. Current

UA executive officers — including president, vice president, chief of staff, secretary, and treasurer — will retain their positions.

CIPR also proposed several new UA committees and positions to replace functions previously handled by DormCon. The Dormitory Affairs Committee will address issues that only affect students living in dorms - much of what DormCon does today. The Dormitory Funding committee will allocate dorm tax funds for dormitory-only events and will be populated with representatives from tax-paying dorms. Finally, a UA assistant vice president for REX will organize centralized REX events, like the water war and REX guide printing. That job is currently handled by DormCon's vice president for REX.

DormCon is also expected to determine how it will allocate its remaining funds this week. According to DormCon Treasurer Leonid Grinberg '14, DormCon will have approximately \$15,000 remaining in funds at the end of the term, after debts. Meyer said that DormCon may decide to give money back to the dorms it came from.

Rebecca Han contributed re-



It's a connected world. Lobby 7 Design Competition

in opening the exhibition of this student ideas competition.

Announcement Ceremony April 15, 5:30pm, Rm 7-431

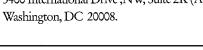
Reception and gallery opening at the Wolk Gallery to follow.

More information at http://web.mit.edu/lobby7competition

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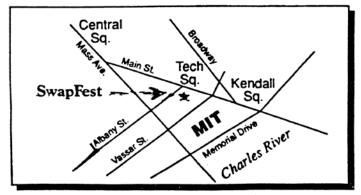
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Eric Grimson: From Course VI head to chancellor

MIT's chancellor talks about Canada, Facebook, and why prefrosh should pick MIT

By Campus Life staff

The Tech's Campus Life department invited MIT Chancellor W. Eric L. Grimson PhD '80 to speak with prefrosh during CPW. Grimson became chancellor on March 1, previously serving as head of the Department of Electrical Engineering and Computer Science. Grimson told The Tech about his new job, the reasons why he chose his undergraduate institution, and why prefrosh should come to MIT.

The Tech: What is a chancellor?

W. Eric L. Grimson: The three word job description given to me was "all things students." And that's probably a good job description. Now, the joking version of it is that it is an unusual title. It's not used much in North America, and so traveling in Europe, I get treated better. Because in England, for example, the vice chancellor of Oxford is the equivalent of our president. The chancellor is the Prince of Wales. So I kept thinking, "I'm going to get a castle, I'm going to get a lot of really good stuff." Joking aside, the job is, in my mind, paying attention to taking care of and finding new opportunities that touch students. It's athletics, student clubs, performing groups, and what we're doing inside the classrooms.

I plan to carve out time to teach. When I took the job, I didn't want to give up teaching.

TT: What is a day in a life of the chancellor?

WELG: Right now I'm meeting with the associate dean, meeting with student groups, meeting with students who want to meet with me. That day extends from about 7:30 a.m. when I get in until about 9 p.m. A big chunk of it is meeting with student groups and doing it when they're available, which is in the evenings. But in steady state, there are a lot of operational issues for the Institute — the Academic Council makes decisions on promotions, meeting regularly with provost and the president. In steady state, I plan to carve out time to teach. I was very serious when I took the job — I didn't want to give up teaching for three reasons. One is: how can I do a good job of dealing with students if I don't have a sense of what students are about? The second reason is that I love doing it. The third reason is that I want to send a message to students about their role here. And yes, administration chews up time, but it shouldn't take so much time so that we're faceless people in suits. And yes, I had to buy three new suits after getting this job — I used to just wear a tie. We're not just people on the other side of Mass. Ave. I have 24 advisees right now,

and I'm not giving up any of them. I will add six freshmen in the fall and do some freshman advising.

TT: Do you see repeated patterns every year in your advisees?

WELG: You do, but you also see different challenges. Over time you see shifts. Students today are very different from students 20 years ago. First of all, every once in awhile we have a change in one of the dials on admissions, but it's rare that we make a big change. There have been times when we've done that.

But I'd say that the biggest fact is actually technology. This generation of students is very comfortable with the social dynamic of Facebook. Students change. People have to adapt to it. A lot of things that I think of as I go forward is what is the best way to communicate with students. I've actually thought about creating a Facebook page or Facebook presence for the chancellor.

TT: Do you Twitter?

WELG: No, I don't Twitter. But I am on Facebook. My mother-in-law persuaded me. I keep my own Facebook page for my family and friends. My two sons who are 20 and 22 thinks this badly violates generational boundaries, but they friended me anyway.

Last point I want to make about this is that students change in interests over time. MIT students today clearly have broader interests than they did 20 or 25 years ago, and faculty need to adjust to that.

TT: How did you choose a school?

WELG: In the undergraduate level, I just stayed close to home. I went to the small school in Saskatchewan. When I was there, it was about 3000 students. You never heard of it unless you grew up in Midwestern Canada. The only plus to this is that I'm almost certain to be the person at MIT who has been in the coldest weather ever. You've never lived until you've lived through the fixed point. It's where Celsius and Fahrenheit match up at -40 degrees. And I have been regularly on the south side of -40. My record in still air temperature is -65 — with wind chill, it was -114. Yes, I went outside. I just wanted to know how it felt like. The ground was frozen so solid that it creaked when you walk on it — it squeaked.

When you're in someplace that cold you get very interesting effects. My wife, before we got married — she still married me after that — we got off the plane, it was 40 below, she took a deep breath and felt the entire bronchial structure of her lungs. We were in the shopping district doing some shopping. And at some point she said to me, "I need to go into a store," and I said, "Sure, I'm happy to. Which one?" and she said, "I don't care." I'd completely forgotten that when it's that cold, breath frosts, and her bangs had frozen to her eyelashes, and now her eyes were frozen open and were starting to ice up. So we went into a store and



SARANG KULKARNI—TECH FILE PH

W. Eric L. Grimson PhD '80 sat down with prefrosh over CPW to talk about his days as an undergraduate, what he's doing now as chancellor, and his plans for the future.

she thawed out.

To answer the original question, I chose
my undergraduate institution because it

was nearby.

I chose graduate school — I came to MIT — on the basis of where was the strongest intellectual community. And that was an easy decision. I had a number of choices to go to, but MIT is full of a lot of very smart people. And that was something I really wanted. I wanted a chance to interact with them

TT: Why should we [prefrosh] come to

WELG: Here are the factors I suggest you think about. If you're really excited about science and technology, you may actually think you know exactly which area you're

you've got a such a range; it's really great.

The second thing I'd think about with coming to MIT is all the things that happen outside the classroom. To me, that's one of the most impressive things that happen at MIT. The point is that wherever you graduate it's not what you learned from the exams, it's one you learned outside and some of that is cocurricular, but most of that is extracurricular.

Here's my goal for MIT students: Thirty years ago, a smart MIT engineer who graduated from here would aim to have a Harvard MBA to be their CTO. It's a reasonable goal. We're getting close in the next few years where the smart engineer graduates from here, and she hires the Harvard MBA to be her CFO. The point is that I think that the fu-

Thirty years ago, a smart MIT engineer who graduated from here would aim to have a Harvard MBA to be their CTO. It's a reasonable goal. We're getting close in the next few years where the smart engineer graduates from here, and she hires the Harvard MBA to be her CFO.

going to do, then you might be wrong. At this place, you can pick any area of technology and it's great. That's a huge plus. There are some great schools that are our competitors with one or two departments where they are top ranked, but if you decide that "I don't want to do X," then all of a sudden, your second choice is not the top.

Here at MIT in engineering, we have number-one ranked departments and a couple that are two-ranked. In science, it's the same thing. So whatever you want to do, ture leaders of industry, of politics, of other countries, are understanding the real challenges that we have: energy, sustainability, and healthcare. And those aren't just going to be policy makers. They're going to be people who understand what's driving the problem, what's driving the challenges, and that has to be someone who is not only deeply grounded in science and technology, but also has networking capability, social skills, and can communicate, and that's what we're doing.



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Free food fixations

A casual exploration into our obsession with free food

By Fangfei Shen

When I first came to MIT about four years ago, I got the bright idea that I would live on free food as much as possible. I attended info sessions and club meetings, and I kept my eyes peeled for free food emails and free food lying around.

Sound familiar? Probably. Many of us have fallen into the free food trap at some point, and some of us have even become seasoned scavengers and connoisseurs of free food. A friend of mine is so deft with acquiring free food that free food seems to scour the Institute for him rather than the other wav around. He has never crept above \$150 a semester for food and has managed to spend as little as \$62 on food in a single semester, which was spent mostly on milk.

The obsession with free food is practically an MIT subculture. There are multiple free food mailing lists (the biggest is freefood@mit.edu, which I thought was the most brilliant thing when I was a freshman) and many free food calendars. A friend and I actually started our own Google Calendar when we were wee froshlings. Even three years after we stopped updating it, other free food enthusiasts have continued keeping it up-to-date with free food events. And it's not just the Internet that has free food calendars: I have seen dormitory bathroom readers with sections called "This Week's Dinner Menu" that listed info sessions and the type of food that would be served. Feel like eating burgers this Wednesday? Go to Schlumberger. Are your taste buds calling out for pizza instead? Palantir Technologies has that covered.

What's up with our obsession with free food? Well, for one, it's free. For another, we have been conditioned from Day 1 — even Day 0 — at MIT to embrace the free food movement because MIT sells itself to us with free food.

It begins with Campus Preview Weekend (CPW), when MIT practically throws free food at the prefrosh. The nice people at Admissions even provide TechCASH cards to prefrosh with a small amount of food monies on them, in the case the prefrosh aren't able to make it to one of the several hundred free food events peppered throughout the weekend. CPW is a festival of free food that may give prefrosh the impression that MIT is all about free food, and in some senses, it is - at least when frosh first arrive on campus.

FPOPs, REX, Orientation, and FSILG Rush certainly help reinforce the drive to obtain free food. Once term starts, student groups then use free food to woo frosh (and maybe some upperclassmen) into joining. Between all of these events, free food is reinforced as an Important Thing.

It is not surprising, then, that we tend to have a fixation on free food. So many students go to great lengths to get free food, whether that means trekking across campus to claim a free food post that may have already been snatched up or spending over an hour at an info session just to get a few free slices of Bertucci's pizza or a plate of Redbones.

Occasionally, the acquisition of free food gets out of hand — like the time my hall acquired so much quiche that nobody could finish eating it, or when East Campus acquired enough apples to overflow the dorm's front desk. Our free food obsession goes so far that we sometimes end up acquiring food of no value (uneaten and ultimately tossed) or even negative value (food that takes up space in the fridge while it rots). And why do we do it? Because it's hardwired into our brains that acquiring free food is important, whether or not said free food actually goes into someone's stomach.



Free food is often found at events around campus. There are several free food lists, the largest being freefood@mit.edu.

Of course, many of us begin to draw the free food line at some point, mostly out of time and effort constraints as we become more hosed. For instance, after my first semester here, I decided it wasn't worth sitting through info sessions to get my daily dinner (I'm apparently too polite to grab food shamelessly and leave), causing my free food consumption rate to plummet. My free food tastes have also gotten a bit more demanding, and I became less interested in exchanging time for free food that just tastes "okay." Instead of attending info sessions to eat Bertucci's pizza and rolls, I pick free food events that serve grilled sea bass or crème brûlée.

Okay, I only get free food that fancy once or twice a semester, but the point is that I am now much pickier when it comes to getting free food due to time and taste constraints. If free food appears on my hall and I'm hungry, I will eat it, and occasionally I will try to claim the contents of a free food post for the fun of it. Otherwise, my interactions with free food are saved for the meetings and events that I happen to go to for their nonedible contents, such as student-faculty dinners. Awesome company, conversation, and free food - what more could I ask for from

Ah, right — even more free food.

EVENTS

APR. 12 – APR. 18

TUESDAY

(5:00 p.m. - 6:30 p.m.) Coordination, Switching Costs and the Division of Labor in General Medicine: An Economic Explanation for the Emergence of Hospitalists in the United States E62-650

(7:00 p.m. - 9:00 p.m.) A Conversation with Sherry Turkle — 66-

WEDNESDAY

(2:00 p.m. - 3:00 p.m.) From biology to robots: the iCub project —

(5:00 p.m. - 6:00 p.m.) Emerson Scholar Student Recital — Vineet Gopal '14, flute — Killian Hall

THURSDAY

(11:00 a.m. - 4:00 p.m.) Spring Career Fair 2011 — W20, Sala de Puerto Rico

(5:00 p.m. - 7:00 p.m.) David W. Miliband SM '90, British Labour Party politician and member of Parliament, speaks about "The State of Europe" — 4-370

FRIDAY

(12:00 p.m. - 1:00 p.m.) Emerson Fellow Student Recital — Paulina A. Sliwa G, mezzo-soprano — Killian Hall

(3:00 p.m. - 4:00 p.m.) Lisa P. Jackons, administrator of the Environmental Protection Agency, speaks at the 11th Annual Henry W. Kendall Memorial Lecture and Reception - W20-202

(4:00 p.m. - 6:00 p.m.) iCampus Student Prize Final Round Competition — E52, East Dining Room

(5:00 p.m. - 7:00 p.m.) Emerson Fellow Student Recital — Bina Y. Choi '11 — Killian Hall

(7:00 p.m., 10:00 p.m.) LSC shows True Grit — 26-100

SATURDAY

(7:00 p.m.,10:00 p.m.) LSC shows *Black Swan* — 26-100

(7:00 p.m. - 9:00 p.m.) Grains of Rice banquet sponsored by the MIT Asian American Association — Walker Memorial

(8:00 p.m. - 10:00 p.m.) Mark Harvey & the Aardvark Jazz Orchestra — Kresge Auditorium

SUNDAY

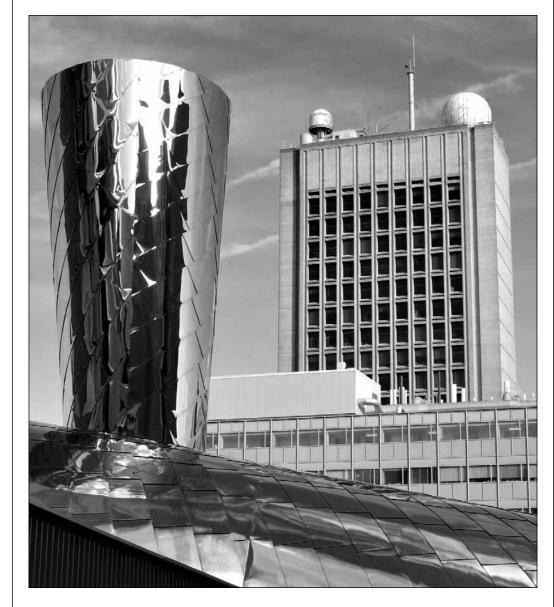
(7:00 p.m. - 10:00 p.m.) AXO 23rd Lip Sync: Evolution — Kresge

(7:00 p.m.) LSC shows True Grit — 26-100

(10:00 p.m.) LSC shows Black Swan — 26-100

Send your campus events to events@tech.mit.edu.

Institute Double Take



By Ethan A. Solomon

EDITOR-IN-CHIEF

MIT is like an onion — it's got layers. This image captures three spatial and two temporal layers of the Institute. In the foreground is part of the Stata Center, completed in 2004; in the middleground, Buidling 56 (1965); and the background, the Green Building (1964). Stata and its funky architecture were part of a recent wave of campus expansion, while Building $56\,$ and Green went up at a time when Stata's design would be inconceivable. But today, all three stand as important centers of research, and for the busy undergraduate, useful landmarks.

f/4.0 **Exposure Time:** 1/500 sec.

Aperture:

Lens Focal Length:

12.6 mm

MIT Sexual Assault Awareness Week

Events seek to raise awareness of and discussion about sexual violence

By Divya Srinivasan

Editor's Note: Readers are advised that this article contains discussion of the circumstances of sexual assault.

I had been brainwashed. I believed that I didn't deserve the love I was receiving, that my existence in the world was solely to please this man and that I could never fully do it because I was so flawed. I was uncaring, selfish, stupid and a slut who would screw any boy that looked at me. I was told this every day for months.

This excerpt from Saturday Night @ MIT, a blog for MIT students to share their experiences with sexual assault, is one of many stories about the pain that can follow sex-

This week, the Violence Prevention and Response Team (VPR) at MIT Medical is hosting Sexual Assault Awareness Week (SAAW). VPR will be hosting a variety of events, including the MIT Clothesline Project, a movie night, and Take Back the Night.

Take Back the Night was a movement created in 1978 for women to express themselves and share their stories of survival. MIT's version of the event will have members of the MIT community congregate in Lobby 10 on Thursday, April 14, from 7-9 p.m. to share their stories about sexual violence. Kelley M. Adams, a member of the VPR team, said the event would be "very organic. It will be a lot of quiet time to ensure that we create a safe space for people to discuss this sensitive issue."

The Clothesline Project is a more recent national movement to confront sexual as-

sault. Started in Cape Cod, Mass., as a way for people to express their emotions about violence against women, the Clothesline Project uses art to help survivors and people who know survivors pour their experiences with sexual violence onto a blank canvas. This year, MIT is hosting six "Clothesline parties" at different locations as a catalyst for conversation about and emotional release from issues surrounding sexual violence. Though four of the Clothesline parties have already happened, there will be two more parties tonight at Westgate and McCormick from 8-10 p.m.

The hope is that people will become more aware that sexual assault can happen to anybody and that resources are available.

The message behind these and the other events during MIT's SAAW is to increase conversation about sexual violence and its prevalence in the community against both sexes. Hearing people open up about their experiences can help others feel more comfortable reaching out to helpful resources.

In addition to SAAW, VPR runs a variety of programs throughout the year to help students and faculty confront sexual violence directly. Using a "survivor-centered model," VPR operates in a consequencefree zone. Instances of sexual assault that are shared with VPR are not reported. Instead, VPR helps to connect victims to the Mental Health and Counseling Service, accompany them to the hospital, help them contact the police, or refer them to the Committee on Discipline. A resource for students, VPR helps to foster interaction between those affected by sexual violence and people who can help.

Since April 4, VPR has been running a 24/7 hotline that members of the MIT community can dial if they face any problems associated with sexual violence. Adams and VPR Program Manager Duane de Four man the hotline, which is available at

VPR also conducts a freshman orientation training program. In addition, VPR does significant advocacy work thanks to a grant from the Department of Justice. De Four also tailors programs to train students about gender and masculinity, bystander intervention, and sexual violence. The training program was created to help people recognize their role in ensuring a safe environment for everyone. There is no dearth of resources at MIT for members of the community affected by sexual violence.

Another helpful resource is the Boston Area Rape Crisis Center (BARCC). BARCC's website says that the organization provides "free, confidential services to survivors, their friends and families, and professionals ages 12 and older." Resources for survivors include medical, legal, and counseling services, including both individual and group counseling. BARCC has a 24-hour hotline at 800-841-8371 and offices in Bos-

Resources

SAAW 2011 Website:

http://web.mit.edu/whiteelephant/ schedule2011.html

VPR Website:

http://medweb.mit.edu/wellness/ programs/violence_prevention.html

VPR Sexual Assault Hotline: 617-253-2300

Saturday Night @ MIT (an anonymous blog for the MIT community):

http://saturdaynight at mit.blogspot.

ton and Cambridge.

Throughout this week, these events will be opportunities for members of the MIT community to increase their awareness of sexual assault. With more communication, the hope is that people will become more aware that sexual assault can happen to anybody and that resources are available. While the common perception of sexual assault is an attacker jumping out of the bushes at night, the vast majority of sexual violence is committed by someone who knows the victim personally. As one student posted on Saturday Night @ MIT, "I hope telling my story can do something for someone out there. You're not alone, and it's not your fault."



Wednesday April 13th 7-8 P.M Room 1-149



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Help

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from new skills import *

def learnMarketableJobSkills():

return linux, OSX, javascript, applescript, perl, python, PHP

self.interest == True:
 print "E-mail join@tech.mit.edu"

----F1 joinTechno.py

Options

(Python)--L1--Top-----

Coop Student Board of Directors Election Update The following student Coop members are candidates for the Board of Directors for the 2011-2012 academic year.



MIT Undergraduate Students: Elizabeth Burton, 2012 Paige Finkelstein, 2014 Christopher Yoon, 2012

MIT Graduate Students: Lorenna Buck, PhD, 2012 Paul Romano, PhD, 2012

Harvard Undergraduate Students:

Cody Dean, 2014 Philip Harding, 2012 Melissa Oppenheim, 2012 Caroline Quazzo, 2012 Jillian Smith, 2014

Aixin Wang, 2012

Harvard Graduate Students:

Eugene Anthony, M Div., 2012 David Carvel, MBA, 2012 Christofer Garner, MBA, 2012 Sonia McNeil, JD, 2012



www.thecoop.com

Tuesday, April 12, 2011
The Tech 15

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Women's hoops is boring? Texas A&M's win a welcome change of scenery

By Carlos Greaves

SPORTS STAFF

For some people, watching women's basketball is about as exciting as watching stalactites grow and as unpredictable as Newton's Law of Universal Gravitation. For the past few years, it has been easy to see why. After all, Stanford and Connecticut have made it to the Final Four for each of the past four seasons, and Connecticut has won six titles since 2000. This year, nobody expected anything but a matchup of those teams — both number one seeds - in what would have been a rematch of last year's title game. However, Notre Dame's upset of Connecticut and Texas A&M's upset of Stanford in the national semifinals set up a final with no number one seeds for just the second time in women's tournament history, and resulted in Texas A&M's first NCAA championship — for either the men or the women — in the school's history.

Arguably the best thing about both Notre Dame and Texas A&M is their decided lack of tournament appearances. Since the creation of the NCAA Women's Basketball tournament in 1982, four schools have dominated the tournament and the recruitment of top players. These four schools — Connecticut, Stanford, Tennessee, and Louisiana Tech — have won 19 of the 30 women's championships, and coaches like Pat Summitt of Tennessee and Geno Auriemma of Connecticut have managed to amass 8 and 7 titles, respectively, in a

time span surpassed only by John Wooden and the UCLA men's team in the late '60s and early '70s. In fact, midway through this year's regular season, the Connecticut women achieved 90 consecutive wins, surpassing UCLA's unthinkable 88-game winning streak from 1971 to 1974, before losing to Stanford. While this was an amazing achievement, it didn't make for very exciting games, as it was always clear who was going to win. Texas A&M and Notre Dame, on the other hand, are not perennial powerhouses or high-profile recruitment destinations.

Instead of watching sweaty dudes manhandle each other, why not watch basketball as it was meant to be played?

The championship game on Tuesday night was, for that reason, that much more rewarding and exciting to watch. The Texas A&M team, despite being down by two at the half, rallied in the second half under the leadership of senior Danielle Adams, who scored 22 of her 30 total points in the second half — the second most for any player in tournament history. Texas A&M gained and then maintained the lead for most of the second half, but then a Notre Dame rally tied the game at 66 with 3:56 to play. Adams, however,

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responded with two layups, and then a three-pointer by Tyra White sealed the deal, with Texas A&M cruising the rest of the way to the victory.

Despite the loss, Notre Dame has a lot to look forward to next season. Sophomore Skylar Diggins is proving to be a star, playing a pivotal role in helping the team reach the final. She is also garnering a great deal of celebrity attention for both her playing skills and looks, including receiving a shout out from Lil Wayne who tweeted "Kongrats to @ skydigg4, my wife. Now bring it home baby" before Tuesday's

Overall, the performances by both Texas A&M and Notre Dame this season were the best thing that could have happened to women's basketball. They proved that the sport is not dominated by perennial powerhouses, and players like Skylar Diggins are proving that female basketball players deserve just as much admiration as the men.

The women's final Tuesday reminded me why women's college basketball is worth watching. Instead of watching sweaty dudes manhandle each other to the point where they are shooting 18.8 percent of their field goals, why not watch basketball the way it was meant to be played, with solid fundamentals? So the next time you're watching paint dry in your living room, consider turning on the TV and watching some women's basketball instead. You just might find it's a lot more like quantum tunneling than planetary motion.

UPCOMING HOME EVENTS

Tuesday, April 12

Sailing — Midweek Tech Invite Women's Lacrosse vs. Wellesley College 4 p.m., Charles River 4 p.m., Steinbrenner

Stadium

Wednesday, April 13

Men's Tennis vs. Tufts University

4 p.m., duPont Courts

Tennis sweeps Bates for sixth straight win

MIT now 11-4, will face Vassar next

By Jenny Dohlman

TEAM REPRESENTATIVE

The MIT Women's Tennis team swept Bates on Saturday to bring their overall season record to 11-4.



The Engineers started out strong at doubles, with the first doubles team of Lauren C. Quisenberry '14 and Candace L. Wu '14 quickly dispatch-

ing their opponents 8-1. Bianca M. Dumitrascu '13 and Julia C. Hsu '14 followed suit with an 8-1 victory, but the third doubles team of Melissa A. Diskin '11 and Katharine A. O'Neal '14 had a tougher fight, eventually edging out a third defeat 9-7. At fourth doubles, the duo of Hillary E. Jenny '12 and Caitlin R. Pomeroy '13 fell to the Bobcats 8-2.

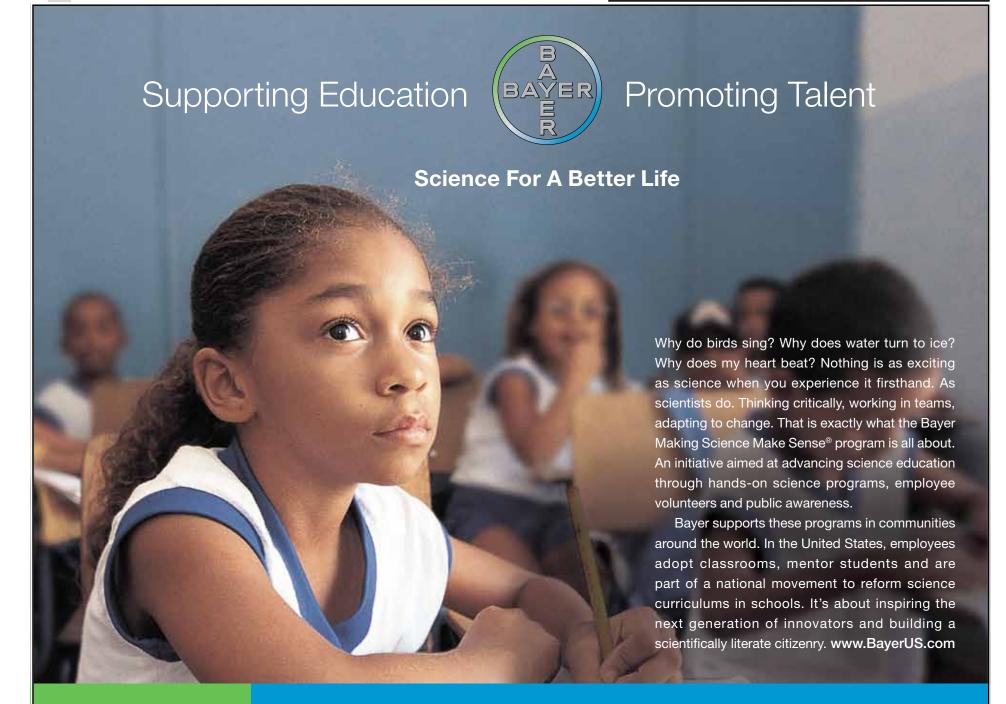
Gathering momentum from a trio of successful doubles matches, the Engineers moved confidently into the singles portion of the match, with the top four singles players posting straight set victories across the board. At fifth singles, O'Neal recorded the only third set score, winning 6-1, 2-6, 10-7. In the sixth singles slot, Diskin came behind from a 1-4 deficit in the first set to win 7-5, 6-2. Pomeroy fought hard at seventh singles, ultimately losing 8-5, while Trinity P. Leonard '13 garnered two games before losing to her opponent at the eighth slot.

Next weekend, the Engineers face Skidmore and Vassar on their home turf and hope to improve their six-match winning streak.

Do you like doodling during class? Are your psets covered with drawings? If so, become a Tech Illustrator!

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E-mail join@tech.mit.edu



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